

Research Fellow
Nanyang Technological University

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Posted May 26, 2023, set to expire Apr. 1, 2024

Job Title	Research Fellow
Department	Rolls-Royce@NTU Corporate Lab
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	May 26, 2023
Application Deadline	Open till filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Power-System--Power-Electronics--Electrical-Machines---Control-Systems-_R00012233-1
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Apply By Email	
Job Description	

A Research Fellow position is available in the Rolls-Royce@NTU Corporate Lab, Nanyang Technological University, Singapore.

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Job Description:

- Perform simulations with appropriate details
- Create technical documentations for design and concepts
- Communicate effectively on the work progress and highlight the issues/risks to the manager
- Collaborate with team members to work effectively and solve day to day issues
- Responsible for on-time delivery of the milestones
- Build hardware and perform experiments to troubleshoot
- Support in project purchases, creating posters and presentations
- Responsible for equipment in the lab and their usage
- Responsibly follow the lab rules, use proper PPE, follow safety guidelines and maintain 5S
- Review technical work of the PhD students
- Guide interns and FYP students in mini projects
- Establish Electrical System Integration Capabilities
- Lead Power System Optimization, Mathematical Modelling and Simulation activities encompassing electric power systems, distributed generation, fuel cells, marine power systems DERs, energy storage systems, and microgrid
- Maintain a good understanding of industrial standards (aerospace & marine) of electrical system

Job Requirements:

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- PhD degree in engineering, familiarity with Power System, Power Electronics, Electrical Machines and Control Systems
- Advanced knowledge of optimization, Artificial Neural Networks, electric power systems, fuel cells, and energy storage systems are preferred
- Experience with lab experimentation and hardware is a plus
- Proficiency in power system modeling and simulation e.g. Matlab/Simulink, Python
- Proficiency in programming skills e.g., C/C++, Python, Matlab, Java
- Self-motivated team player with strong interpersonal skills
- Good oral and written communication skills in English

We regret that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore